

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/602,812

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)
- 12 Use of <220>Feature Sequence(s) 3,5-6 are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

Does Not Comply
Corrected Diskette Needed

mr 23

RAW SEQUENCE LISTING DATE: 07/07/2000
 PATENT APPLICATION: US/09/602,812 TIME: 17:25:19

Input Set : A:\P1467R2.txt
 Output Set: N:\CRF3\07072000\I602812.raw

71 80 85 90
 73 Thr Ala Val Tyr Tyr Cys Ala Arg Asn Leu Gly Pro Ser Phe Tyr
 74 95 100 105
 76 Phe Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
 77 110 115
 79 <210> SEQ ID NO: 3
 80 <211> LENGTH: 107
 81 <212> TYPE: PRT
 82 <213> ORGANISM: artificial
 84 <400> SEQUENCE: 3
 85 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
 86 1 5 10 15
 88 Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Val Ser
 89 20 25 30
 91 Ile Gly Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
 92 35 40 45
 94 Leu Leu Ile Tyr Ser Ala Ser Tyr Arg Tyr Thr Gly Val Pro Ser
 95 50 55 60
 97 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
 98 65 70 75
 100 Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
 101 80 85 90
 103 Tyr Tyr Ile Tyr Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu
 104 95 100 105
 106 Ile Lys
 109 <210> SEQ ID NO: 4
 110 <211> LENGTH: 119
 111 <212> TYPE: PRT
 112 <213> ORGANISM: artificial
 114 <220> FEATURE:
 115 <221> NAME/KEY: artificial
 116 <222> LOCATION: 1-119
 117 <223> OTHER INFORMATION: Fab 574 VH
 119 <400> SEQUENCE: 4
 120 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
 121 1 5 10 15
 123 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr
 124 20 25 30
 126 Asp Tyr Thr Met Asp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
 127 35 40 45
 129 Glu Trp Val Ala Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr
 130 50 55 60
 132 Asn Gln Arg Phe Lys Gly Arg Phe Thr Leu Ser Val Asp Arg Ser
 133 65 70 75
 135 Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
 136 80 85 90
 138 Thr Ala Val Tyr Tyr Cys Ala Arg Asn Leu Gly Pro Ser Phe Tyr
 139 95 100 105
 141 Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

see box 12 on Ena Summary sheet

OK

RAW SEQUENCE LISTING DATE: 07/07/2000
 PATENT APPLICATION: US/09/602,812 TIME: 17:25:19

Input Set : A:\P1467R2.txt
 Output Set: N:\CRF3\07072000\I602812.raw

```

142                110                115
144 <210> SEQ ID NO: 5
145 <211> LENGTH: 107
146 <212> TYPE: PRT
147 <213> ORGANISM: artificial
149 <400> SEQUENCE: 5
150 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
151 1 5 10 15
153 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser
154 20 25 30
156 Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
157 35 40 45
159 Leu Leu Ile Tyr Ala Ala Ser Ser Leu Glu Ser Gly Val Pro Ser
160 50 55 60
162 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
163 65 70 75
165 Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
166 80 85 90
168 Tyr Asn Ser Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu
169 95 100 105
171 Ile Lys
174 <210> SEQ ID NO: 6
175 <211> LENGTH: 119
176 <212> TYPE: PRT
177 <213> ORGANISM: artificial
179 <400> SEQUENCE: 6
180 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
181 1 5 10 15
183 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
184 20 25 30
186 Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
187 35 40 45
189 Glu Trp Val Ala Val Ile Ser Gly Asp Gly Gly Ser Thr Tyr Tyr
190 50 55 60
192 Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
193 65 70 75
195 Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
196 80 85 90
198 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Arg Val Gly Tyr Ser Leu
199 95 100 105
201 Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
202 110 115
204 <210> SEQ ID NO: 7
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Mus musculus
209 <220> FEATURE:
210 <221> NAME/KEY: unsure
211 <222> LOCATION: 10

```

RAW SEQUENCE LISTING DATE: 07/07/2000
 PATENT APPLICATION: US/09/602,812 TIME: 17:25:19

Input Set : A:\P1467R2.txt
 Output Set: N:\CRF3\07072000\I602812.raw

212 <223> OTHER INFORMATION: unknown amino acid
 214 <400> SEQUENCE: 7
 OK 215 Gly Phe Thr Phe Thr Asp Tyr Thr Met Xaa
 216 1 5 10
 218 <210> SEQ ID NO: 8
 219 <211> LENGTH: 17
 220 <212> TYPE: PRT
 221 <213> ORGANISM: Mus musculus
 223 <400> SEQUENCE: 8
 224 Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr Asn Gln Arg Phe
 225 1 5 10 15
 227 Lys Gly
 230 <210> SEQ ID NO: 9
 231 <211> LENGTH: 10
 232 <212> TYPE: PRT
 233 <213> ORGANISM: Mus musculus
 235 <400> SEQUENCE: 9
 236 Asn Leu Gly Pro Ser Phe Tyr Phe Asp Tyr
 237 1 5 10
 239 <210> SEQ ID NO: 10
 240 <211> LENGTH: 11
 241 <212> TYPE: PRT
 242 <213> ORGANISM: Mus musculus
 244 <400> SEQUENCE: 10
 245 Lys Ala Ser Gln Asp Val Ser Ile Gly Val Ala
 246 1 5 10
 248 <210> SEQ ID NO: 11
 249 <211> LENGTH: 7
 250 <212> TYPE: PRT
 251 <213> ORGANISM: Mus musculus
 253 <220> FEATURE:
 254 <221> NAME/KEY: unsure
 255 <222> LOCATION: 5-7
 256 <223> OTHER INFORMATION: unknown amino acid
 258 <400> SEQUENCE: 11
 OK 259 Ser Ala Ser Tyr Xaa Xaa Xaa
 260 1 5
 262 <210> SEQ ID NO: 12
 263 <211> LENGTH: 9
 264 <212> TYPE: PRT
 265 <213> ORGANISM: Mus musculus
 267 <400> SEQUENCE: 12
 268 Gln Gln Tyr Tyr Ile Tyr Pro Tyr Thr
 269 1 5
 271 <210> SEQ ID NO: 13
 272 <211> LENGTH: 645
 273 <212> TYPE: PRT
 274 <213> ORGANISM: human
 276 <400> SEQUENCE: 13

RAW SEQUENCE LISTING

DATE: 07/07/2000

PATENT APPLICATION: US/09/602,812

TIME: 17:25:20

Input Set : A:\P1467R2.txt

Output Set: N:\CRF3\07072000\I602812.raw

```

277 Met Glu Leu Ala Ala Leu Cys Arg Trp Gly Leu Leu Leu Ala Leu
278 1 5 10 15
280 Leu Pro Pro Gly Ala Ala Ser Thr Gln Val Cys Thr Gly Thr Asp
281 20 25 30
283 Met Lys Leu Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp Met
284 35 40 45
286 Leu Arg His Leu Tyr Gln Gly Cys Gln Val Val Gln Gly Asn Leu
287 50 55 60
289 Glu Leu Thr Tyr Leu Pro Thr Asn Ala Ser Leu Ser Phe Leu Gln
290 65 70 75
292 Asp Ile Gln Glu Val Gln Gly Tyr Val Leu Ile Ala His Asn Gln
293 80 85 90
295 Val Arg Gln Val Pro Leu Gln Arg Leu Arg Ile Val Arg Gly Thr
296 95 100 105
298 Gln Leu Phe Glu Asp Asn Tyr Ala Leu Ala Val Leu Asp Asn Gly
299 110 115 120
301 Asp Pro Leu Asn Asn Thr Thr Pro Val Thr Gly Ala Ser Pro Gly
302 125 130 135
304 Gly Leu Arg Glu Leu Gln Leu Arg Ser Leu Thr Glu Ile Leu Lys
305 140 145 150
307 Gly Gly Val Leu Ile Gln Arg Asn Pro Gln Leu Cys Tyr Gln Asp
308 155 160 165
310 Thr Ile Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu Ala
311 170 175 180
313 Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys
314 185 190 195
316 Ser Pro Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser Ser Glu
317 200 205 210
319 Asp Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys Ala
320 215 220 225
322 Arg Cys Lys Gly Pro Leu Pro Thr Asp Cys Cys His Glu Gln Cys
323 230 235 240
325 Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys
326 245 250 255
328 Leu His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro Ala
329 260 265 270
331 Leu Val Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro
332 275 280 285
334 Glu Gly Arg Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro
335 290 295 300
337 Tyr Asn Tyr Leu Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys
338 305 310 315
340 Pro Leu His Asn Gln Glu Val Thr Ala Glu Asp Gly Thr Gln Arg
341 320 325 330
343 Cys Glu Lys Cys Ser Lys Pro Cys Ala Arg Val Cys Tyr Gly Leu
344 335 340 345
346 Gly Met Glu His Leu Arg Glu Val Arg Ala Val Thr Ser Ala Asn
347 350 355 360
349 Ile Gln Glu Phe Ala Gly Cys Lys Lys Ile Phe Gly Ser Leu Ala

```

VERIFICATION SUMMARY

DATE: 07/07/2000

PATENT APPLICATION: US/09/602,812

TIME: 17:25:21

Input Set : A:\P1467R2.txt

Output Set: N:\CRF3\07072000\I602812.raw

L:12 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:115 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11